

Abstract of the Disclosure

There are provided a search method of a fixed codebook, and more
5 particularly, a focused search method and apparatus thereof, for being applied to a
speech codec for Voice over Internet Protocol (VoIP). The focused search method
of the fixed codebook includes: calculating absolute values of correlation vectors of
respective pulse locations of tracks 0, 1, 2, and 3 and arranging the pulse locations
in a descending order of the absolute values; and selecting a predetermined number
10 of pulse locations for each track among candidate pulse locations arranged and
conducting focused search of the selected result. Therefore, it is possible to
significantly reduce a calculation amount required for fixed codebook search while
maintaining tone quality in a similar level.